

Abstract

The invention concerns a water-containing medium with an increased viscosity containing a gellable polymer component with phenolic substituents modified with the aid of oxidases, characterized in that it was modified by

- a) a protein with polyphenol oxidase activity and/or
- b) an enzyme mixture containing hydrolases, oxidoreductases and peroxidases.

The medium modified in this manner can be a gel that is preferably in a (partially) dried or (partially) rehydrated state, whose viscosity or gel strength can be selectively adjusted and which, even after a drying process and rehydration, again stably attains the original viscosity or gel strength. In addition the water-containing medium does not have any by-products that could have an adverse effect on quality of the gel or its sensory properties. In addition to the water-containing medium, a process is also proposed that can be used to produce the corresponding media with increased viscosity and which relies on the use of oxidoreductases, peroxidases, hydrolases and/or catalases. Food industry, cosmetics and pharmaceutical purposes are intended as areas of application for the proposed water-containing media.